

FORM PTO-1390

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTORNEY'S DOCKET NUMBER

**TRANSMITTAL LETTER TO THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US)
CONCERNING A FILING UNDER 35 U.S.C. 371**

050389-0058

U.S. APPLIC. NO. (if known, see 37 CFR 1.5)
10/526,471

INTERNATIONAL APPLICATION NO

PCT/JP2004/002840

INTERNATIONAL FILING DATE

March 5, 2004

PRIORITY DATE CLAIMED

March 7, 2003

TITLE OF INVENTION

LOGICAL OPERATION ELEMENT EMPLOYING A FIELD EMISSION TYPE MICROFABRICATED ELECTRON EMITTER AND LOGICAL OPERATION CIRCUIT

APPLICANTS FOR DO/EO/US

Natsuo TATSUMI, Yoshiaki NISHIBAYASHI, Takahiro IMAI, and Tsuneo NAKAHARA

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☐ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☒ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☐ This express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☐ The US has been elected (Article 31).
5. ☐ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
 - a. ☐ is attached herewith (required only if not transmitted by the International Bureau).
 - b. ☐ has been communicated by the International Bureau.
 - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US)
6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
7. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
 - a. ☐ are attached hereto (required only if not transmitted by the International Bureau).
 - b. ☐ have been communicated by the International Bureau.
 - c. ☐ have not been made; however, the time limit for making such amendment has NOT expired.
 - d. ☐ have not been made and will not be made.
8. ☐ An English translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☐ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☐ An English translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11. to 16. below concern other document(s) or information included:

11. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☐ A preliminary amendment.
14. ☐ An Application Data Sheet under 37 CFR 1.76.
15. ☐ A substitute specification.
16. ☐ A power of attorney and/or change of address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821-1.825.
18. ☐ A second copy of the published International Application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English translation of the International Application under 35 U.S.C. 154(d)(4).
20. ☒ Other items or information.
Copy of International Preliminary Examination Report

| | | | | | |
|--|--------------|---|------------|---|---------------------|
| U.S. APPLIC. NO. (if known, see 37 CFR 1.50) 10/526,471 | | INTERNATIONAL APPLICATION NO. PCT/JP2004/002840 | | ATTORNEY'S DOCKET NUMBER 050389-0058 | |
| | | | | CALCULATIONS | PTO USE ONLY |
| 21. <input type="checkbox"/> The following fees are submitted: | | | | | |
| <input type="checkbox"/> Basic National Stage Fee | | \$300 | | \$ | |
| 22. <input type="checkbox"/> Examination Fee | | | | | |
| If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4) | | | | \$100 | |
| All other situations | | | | \$200 | |
| 23. <input checked="" type="checkbox"/> Search Fee | | | | | |
| Search fee (37 CFR 1.445(1)(2)) has been paid on the international application to the USPTO as an International Searching Authority | | | | \$100 | |
| International Search Report prepared and provided to the Office | | | | \$400 | |
| All other situations | | | | \$500 | |
| TOTAL OF 21, 22 and 23 = | | | | \$0 | |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. | | | | \$ | |
| Total Sheets | Extra Sheets | Number of each additional 50 or fraction Thereof (round up to a whole number) | RATE | | |
| 0-100 | 0/50= | 0 | X\$250 | \$0 | |
| Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)). | | | | \$ | |
| CLAIMS | NUMBER FILED | NUMBER EXTRA | RATE | | |
| Total Claims | 0-20 = | 0 | x \$50.00 | \$0 | |
| Independent Claims | 0-3 = | 0 | x \$200.00 | \$0 | |
| Multiple dependent claim(s) (if applicable) | | | + \$360.00 | \$0 | |
| TOTAL OF ABOVE CALCULATIONS = | | | | \$0 | |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2. | | | | \$0 | |
| SUBTOTAL = | | | | \$0 | |
| Processing fee of \$130.00 for furnishing the English translation later than the 30 months from the earliest claimed priority date (37 CFR 1.492(f)). | | | | + | \$0 |
| TOTAL NATIONAL FEE = | | | | | |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property | | | | + | \$0 |
| TOTAL FEES ENCLOSED = | | | | \$0 | |
| | | | | Amount to be refunded | \$ |
| | | | | Amount to be charged | \$0 |
| a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed. b. <input type="checkbox"/> Please charge my Deposit Account No. <u>500417</u> in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed. c. <input type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>500417</u> . A duplicate copy of this sheet is enclosed. | | | | | |
| NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status. | | | | | |
| SEND ALL CORRESPONDENCE TO: | | | | December 12, 2005 | |
| Customer Number 20277 | | | | SIGNATURE | |
| Telephone: 202.756.8000 | | | | Arthur J. Steiner | |
| Facsimile: 202.756.8087 | | | | NAME | |
| March 3, 2005 | | | | 26,106 | |
| DATE | | | | REGISTRATION NUMBER | |

BASED ON FORM PTO-1390 (Rev. 2-2005)